

# Rajiv Gandhi University of Health Sciences, Karnataka

Third year B.Pharm Degree Examination – August 2010

**Time: Three Hours**

**Max. Marks: 80 Marks**

## PHARMACOLOGY (RS - 2)

### **Q.P. CODE: 1965**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

#### **LONG ESSAYS (Answer any Two)**

**2 x 10 = 20 Marks**

1. Define and classify anti-hypertensives. Describe the pharmacological actions of propranolol
2. Describe the mechanism of drug action with respect to molecular and biochemical concepts
3. Classify anti-inflammatory drugs. Describe the mechanism of action and uses of diclofenac

#### **SHORT ESSAYS (Answer any Eight)**

**8 x 5 = 40 Marks**

4. Enumerate different routes of drug administration
5. Explain with examples the adverse actions due to drug-drug interactions
6. Discuss the pharmacology of neuromuscular blocking agents
7. Explain the action of alcohol when applied externally and orally
8. Explain the technique used to administer anaesthesia
9. Classify hypnotics and sedatives and write adverse effects of phenobarbitone
10. Explain drug dependence and drug abuse
11. Write mechanism of action and uses of any one oral anticoagulant drug
12. Write a note on bio-transformation
13. Enlist drugs used in Parkinson's disease. Write mechanism of action levo-dopa

#### **SHORT ANSWERS**

**10 x 2 = 20 Marks**

14. Mention the uses of diuretics
15. Write the dose and uses of aspirin
16. Write two adverse effects chlorpromazine
17. Give two examples for prodrug
18. Mention the dose and use of Heparin
19. Name two routes of drug excretion
20. Name the therapeutic uses of fluoxetine
21. Mention the uses of atropine
22. Write a note on SAR
23. Mention the different stages of clinical trials

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